

FIG. 1 is a schematic diagram of a system for recording data on a magnetic tape. The system includes a data source (13) which provides data (DATA) and frame synchronization (FRAME SYNC) signals to a recording head (9). The recording head is connected to a magnetic tape (11) via a tape transport mechanism (10). The tape transport mechanism includes a motor (12) and a tape reel (10). The recording head (9) is shown in a cross-sectional view, revealing its internal components (14, 15) and its position relative to the tape (11). The system is housed in a cabinet (1) which contains various electronic components (2, 3, 4, 5, 6, 7, 8) and a power supply (13). The cabinet is shown in a perspective view, with the recording head (9) and tape transport mechanism (10) mounted on top.

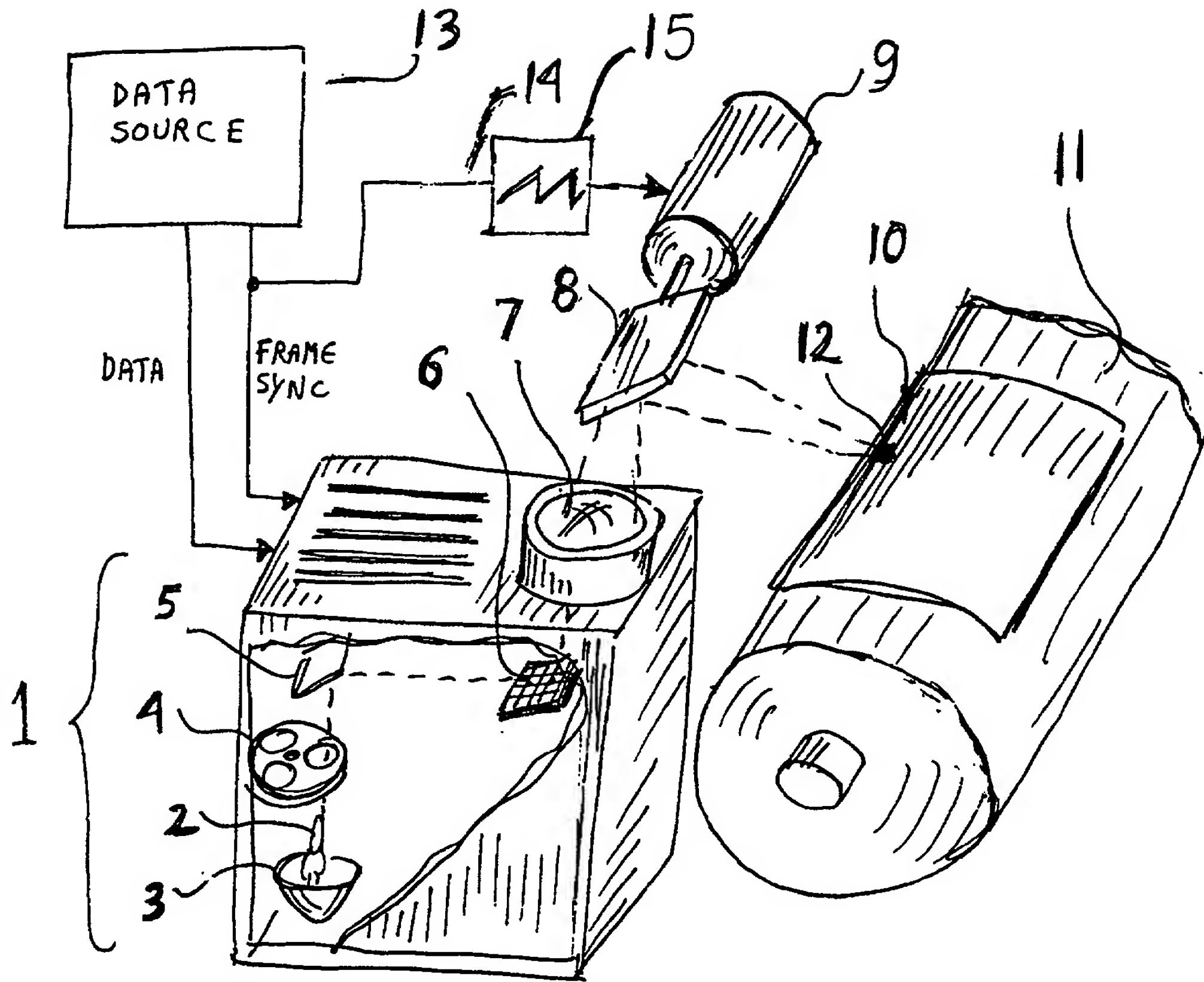


Fig 1

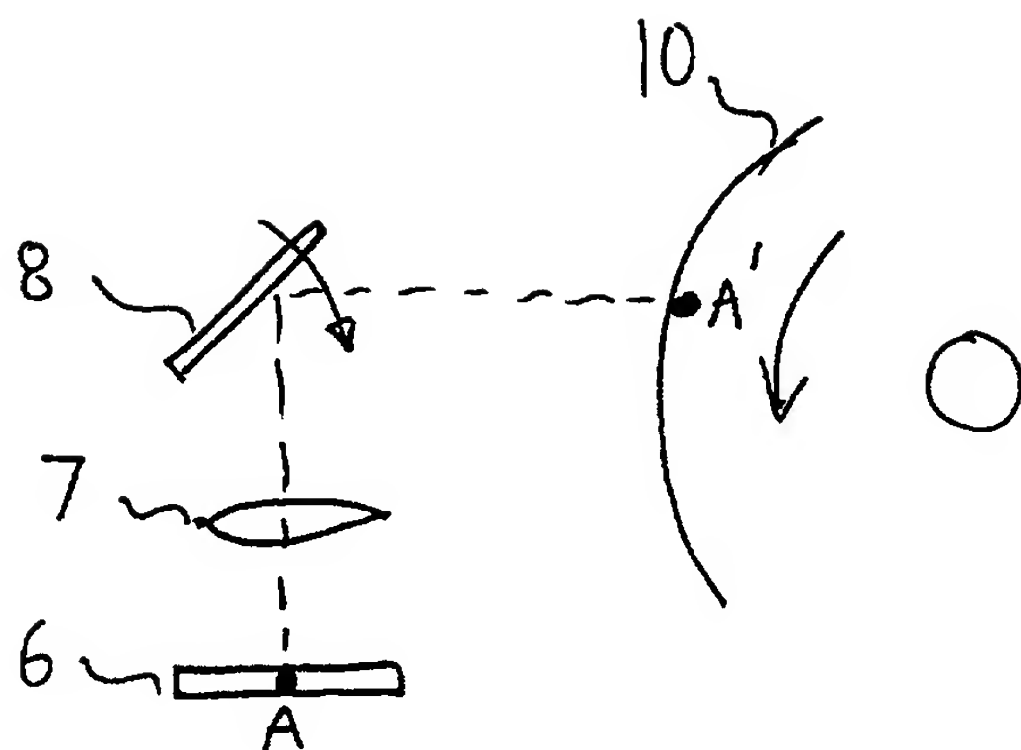


Fig 2-a

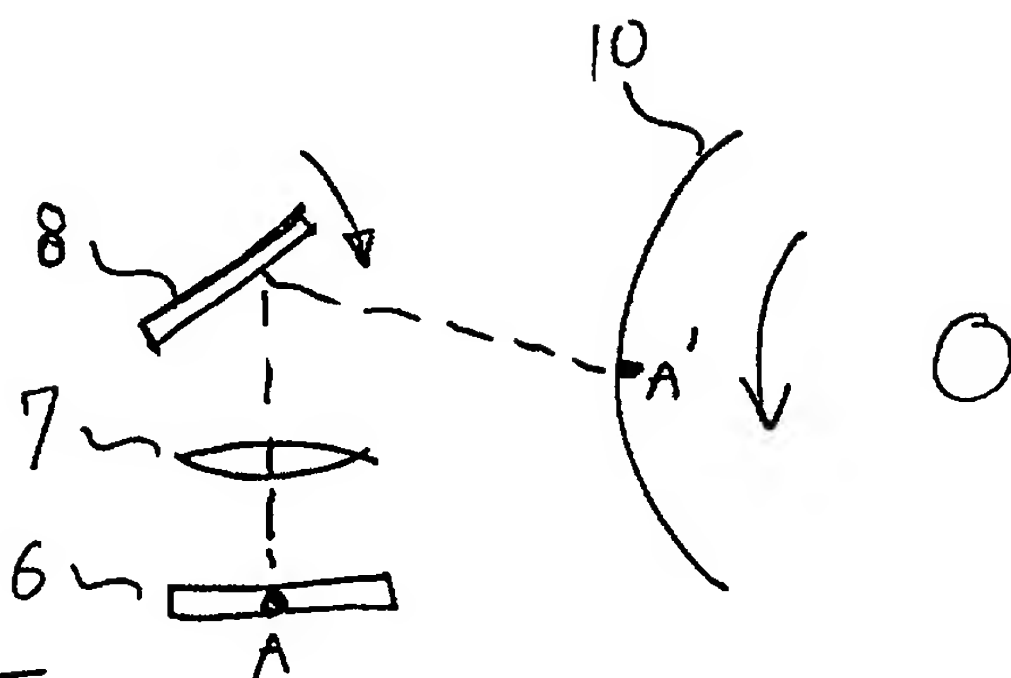


Fig 2-b

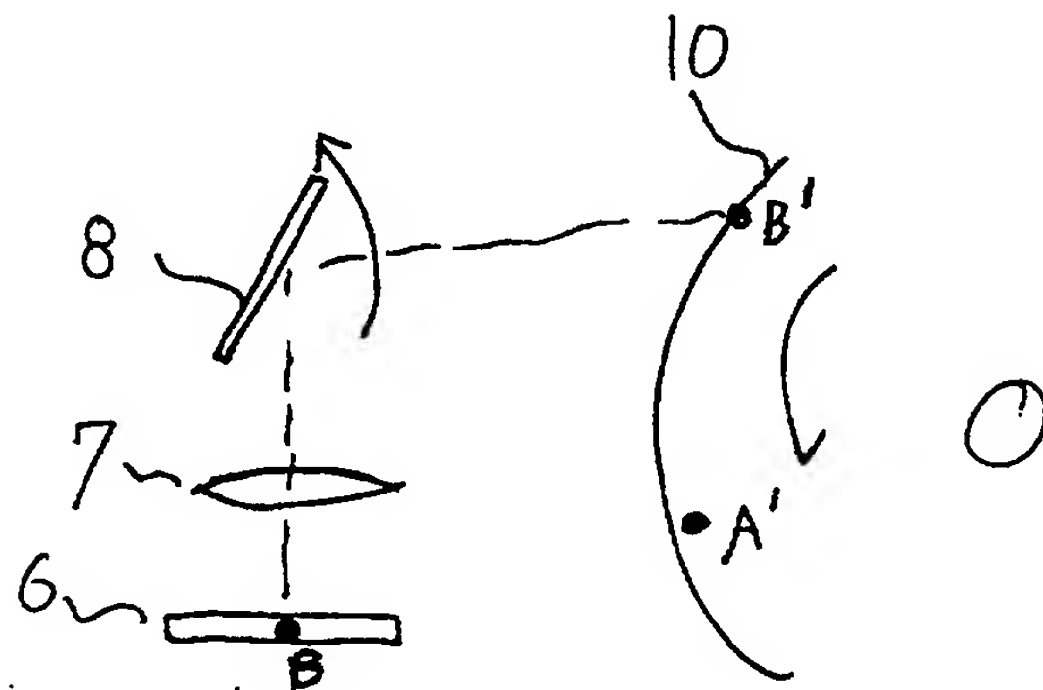


Fig 2-c